

**ABSTRACT OF THE DISCLOSURE**

A curable coating composition for coating an optical fiber, includes a block copolymer comprising at least one hard block and at least one soft block, wherein said hard block has a  $T_g$  greater than the  $T_g$  of the soft block.

- 5 The coating further includes at least one reactive monomer. A coated optical fiber includes an optical fiber having at least one coating layer thereon having a first component which includes a block copolymer comprising at least one hard block and at least one soft block, wherein said hard block has a  $T_g$  greater than the  $T_g$  of the soft block. The coating further includes at least one reactive
- 10 monomer. A method for making a coated optical fiber, includes providing an optical fiber; coating the optical fiber with a polymerizable composition including a block copolymer comprising at least one hard block and at least one soft block, wherein said hard block has a  $T_g$  greater than the  $T_g$  of the soft block. The coating further includes at least one reactive monomer. The method
- 15 further includes polymerizing the composition under conditions effective to form a coating over the optical fiber.

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